Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 21 Sep 2023 until 23:59 on Friday 22 Sep 2023

Forecast Issued on Thursday 21 Sep 2023 at 03:45

Confidence: High for a changeable autumnal period with a mix of sunshine and showers, and wet weather from Sunday. High for windy conditions at times. Lower confidence in extent of shower distribution throughout and timing of frontal passage Sunday onwards.

Headline for Thursday 21 Sep 2023: Sunshine and occasionally heavy showers with a risk of thunder.

Mountain weather hazards on Thursday 21 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms Low Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Sunny	Sunny	Light rain showers	Light rain showers	Sunny intervals	Partly cloudy (night)
Precipitation probability					
<05%	10%	50%	40%	20%	10%

Forecast for Thursday 21 Sep 2023

Weather: A mostly dry start with clear spells through the early hours. Sunshine and showers developing through the morning and penetrating further inland from western coasts. Showers occasionally turning heavy and blustery, with a risk of thunder. Trending drier and clearer late afternoon and into the evening. Skies largely clear overnight.

Chance of cloud-free hill tops above 600m: Greater than 90%, briefly lowering from the west to 70% late morning.

Low cloud and visibility: Visibility generally very good or excellent, but dropping to moderate in showers, possibly poor in heavier showers. Cloud bases generally forming or remaining above the summits, but as showers develop more widely late-morning, cloud bases may briefly lower to around 500m in showers shrouding higher routes. Breaks developing more widely again by late afternoon.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 21 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/22 SW	16/20 SW	16/21 SW	10/14 SW	8/10 SW	8/11 SW	9/13 SW
300	12/20 S	14/17 SW	12/17 SW	9/14 W	5/9 SW	6/9 SW	6/9 SW
Valley	5/19 SW	8/15 SW	8/16 SW	7/13 W	3/9 SW	3/7 SW	3/8 S

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	7/3	8/5	10/6	10/8	9/7	8/6	7/5
300	10/7	11/8	12/10	13/11	12/10	10/9	9/8
Valley	8/7	12/10	14/12	14/12	12/11	10/9	8/8
Freezing Level*	1600m	1700m	1700m	1800m	1700m	1600m	1500m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Given recent rainfall, ground may be sodden or slippery underfoot so care required. Showers possible from late morning and through much of the afternoon, with conditions changing quickly under the showers, although some parts may see very little rain. Feeling cooler than of late, especially at height.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 21 Sep 2023	0.2mm	0.2mm	0.2mm

Forecast for Friday 22 Sep 2023

Weather: A chilly start with clear skies and light winds. Dry initially, although showers soon developing, becoming more widespread from mid-morning, with some of these perhaps turning heavy and blustery. Showers becoming increasingly isolated through the afternoon leaving a fine, albeit fresh end to the day. Skies largely clear through the evening. Windy.

Maximum wind: West to northwest 15-20 mph with gusts of 25-30 mph.

Chance of cloud-free hill tops above 600m: 70%

Low cloud and visibility: Very good visibility generally, but falling to moderate or poor in showers. Bases could lower towards to 600m in heavier showers, especially towards the northwest of the park through the morning. If rain merges to give longer spells of rain, cloud may obscure highest routes for a few hours.

Temperature: **Valleys:** Plus 8 Celsius becoming Plus 13 Celsius.
At 600m: Plus 4 Celsius becoming Plus 9 Celsius.
Freezing level: Above the summits.

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